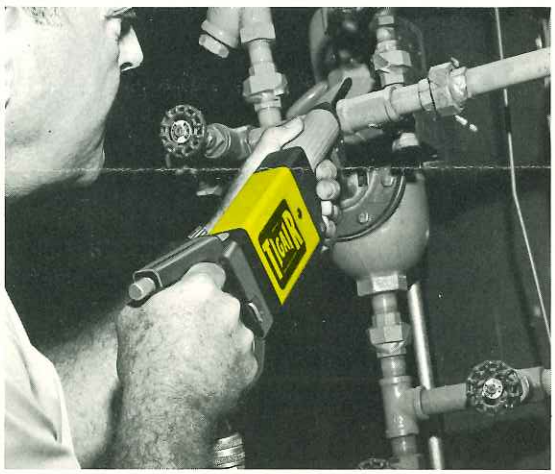
D8-64

TIME-SAVIN' TIGAIR!

AIR POWERED, PORTABLE HACKSAW

Recd May 23, 1977

IDEAL FOR FABRICATION ● Lightweight, easy to use, versatile, the Tigair speeds up a wide variety of in-shop fabrication jobs. Its smooth, burrless cut minimizes finishing.



SAVE TIME, MONEY & MANPOWER in PLANT MAINTENANCE. The Tigair reaches every corner of your plant to speed up cutting jobs. No need to bring the work back to a fixed saw.

FAST, SAFE, SIMPLE! . . . take it anywhere, cut anything a hacksaw blade cuts! The lightweight, easy to handle Tigair cuts smoothly, quietly, with a full 1¾" stroke, up to 1200 strokes per minute. Using standard high speed hacksaw blades, it cuts up, down, straight line or in tight curves and produces a burrless cut that virtually eliminates final grinding. Cutting speed is adjustable downward from 1200 strokes per min., and unlike electric tools, it cannot be damaged by stalling.

The Tigair is safe and non-sparking, and can be used in sensitive areas where other tools present hazards. A unique self-lubricating system oils all moving parts, including the blade. The Tigair complies with OSHA standards. Parts are interchangeable with the discontinued McCulloch Airmaster or Atlas Copco MRS 20, and are carried in stock.

SPECIFICATIONS:

SPEED: 0 to 1200 strokes per minute, adjustable.
STROKE: 1¾ inches.
AIR CONSUMPTION: 6½ Cubic Feet per minute.
DIMENSIONS: 16" long, 5¾" high, 1⅝" wide.
WEIGHT: 6 pounds.
RECOMMENDED AIR PRESSURE: 90-110 lbs. per sq. in.

MADE IN U.S.A.
TIGAIR
TIGAIR PRODUCTS • LOS ANGELES

The Sheffield House

P.O. BOX 231 • MONTROSE, CALIF. 91020
(213) 249-1426

ACCESSORIES

Increase the convenience and versatility of the "Tigair"

BLADES • FOR METAL CUTTING . . .

SUPER SPEED, HIGH SPEED HACKSAW BLADES: 12" x ½" x .025
TYPE 38, all hard, with 14, 18, 24, or 32 TPI.
TYPE 38F, flexible, with 14, 18, 24, or 32 TPI.

SCULPTURE BLADE: all hard, 6" x ¼" x .025 x 18 TPI.

NEW! HEAVY DUTY "BRITISH BULLDOG": 12" x .050 x 10 TPI.
A heavier, stiffer blade for a wide variety of tougher cutting jobs. Twice the thickness of a standard hacksaw blade.

FOR OTHER MATERIALS • All Purpose Blade

It cuts PVC pipe, plywood, plaster board, asbestos and other synthetic materials. It has 10 teeth per inch, and is heat treated to the hardness of a high speed hacksaw blade. It makes a cut 10½" long. A special nosepiece (Part No. 72 shown below) is recommended. The pipe cutting guide shown at right can be easily modified to use this heavier blade.

Part No. 72 ▶

TIGAIR PIPE CUTTING GUIDE . . .

This useful accessory cuts pipe precisely to the angle of your choice. It accommodates 5½" pipe at 90 degrees down to 3" pipe at 45 degrees. It holds the pipe securely with a chain grip. The vertical blade guides swivel to the angle you select.

CARRYING CASE

All steel, with black enamel finish

18¼" L.,
7½" W.,
2" High.

Each Tigair is shipped in this sturdy carrying case, with one 8 oz. can of Master Speed Red Oil and 6 Super speed, high speed 12" blades. Shipping wt.: 12 lbs.

MASTER SPEED RED OIL • This special blend of premium lubricants is recommended for use with the Tigair. An ideal oil for air tools, it is dyed red for easy visual checks of the oil content. Available in a six pack of 8 oz. cans, or in pints, quarts and gallons.

PARTS & REPAIRS . . . The Sheffield House maintains extensive repair facilities and parts inventory at the Montrose, California warehouse. Tigair parts are interchangeable with the discontinued McCulloch Airmaster or Atlas Copco MRS 20.

OUR GUARANTEE • The Tigair saw is guaranteed for six months against defective materials or workmanship in manufacture, provided that (1) Master Speed Red oil is used as a lubricant; and (2) that the unit is returned to the seller with working parts intact, not having been dismantled or otherwise tampered with.

OSHA • **The Tigair saw complies with the standards of the U.S. Occupational Safety and Health Act of 1970.**

REPRESENTED BY

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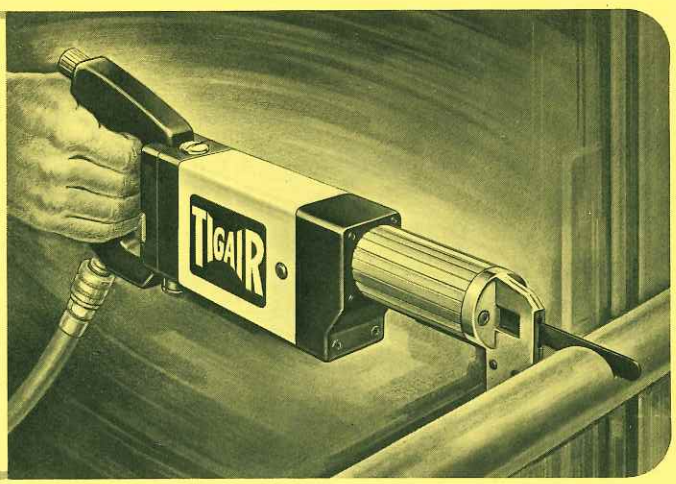
OPERATING INSTRUCTIONS

FOR THE

AIR POWERED HACKSAW



1. The Tigair is designed to use a normal ½" x .025 high-speed hacksaw blade. Insert the blade into the nosepiece with teeth pointing toward the saw so the cut will be made on the inward stroke. The inner end of the blade should be visible through the third hole in the blade grip to be properly seated. Use hex wrench stored in saw body to tighten the two set screws in blade grip.

2. Rotate the silencer sleeve clockwise to closed position. This quiets saw in operation and ensures the proper flow of air and lubricant over the cut.

3. Visually check for lubrication. A light, soluble, colored oil is recommended. The telltale wick in the plastic oil container reflects whether adequate lubricant is present. If wick has the color, oil is present; if wick is white, oil is needed. It is not necessary to have visible oil in the container - only color in the wick. To add oil, unscrew the plastic container, fill, and replace hand tight.

4. Attach the air hose to the fitting at the bottom of the handle. For maximum performance, an air pressure between 90 and 110 psi is suggested.

5. Start the saw by finger pressure on the trigger in handle. The blade should be in cutting position prior to pressing trigger.

6. Blade speed may be varied by using the Speed Control valve in the upper rear part of the handle. Opening the valve counter-clockwise gives full speed; closing clockwise reduces speed in stages.

7. Vary downward pressure while cutting to find the fastest cutting speed and pressure combination. If section being cut is light gauge and subject to chattering, apply inward pressure against the material to stabilize.

8. Disconnect air supply prior to changing blades.

OPERATING HINTS . . .

1. The nosepiece has a line scribed in its upper center. If the operator wishes to precisely follow a pattern, insert the blade upside down and cut up - using the scribed line as a guide.

2. The saw uses about 5" of the blade inside the nosepiece. If a 12" hacksaw blade is broken in half, it will furnish two blades with a cutting capacity of 1" thickness. Or . . . a full length hacksaw blade can be used. When the portion at the nosepiece is worn out, the blade may be removed, a two inch piece broken from the inner end, and when replaced will provide fresh teeth for the cut. In this manner, a blade can be rerun a number of times.

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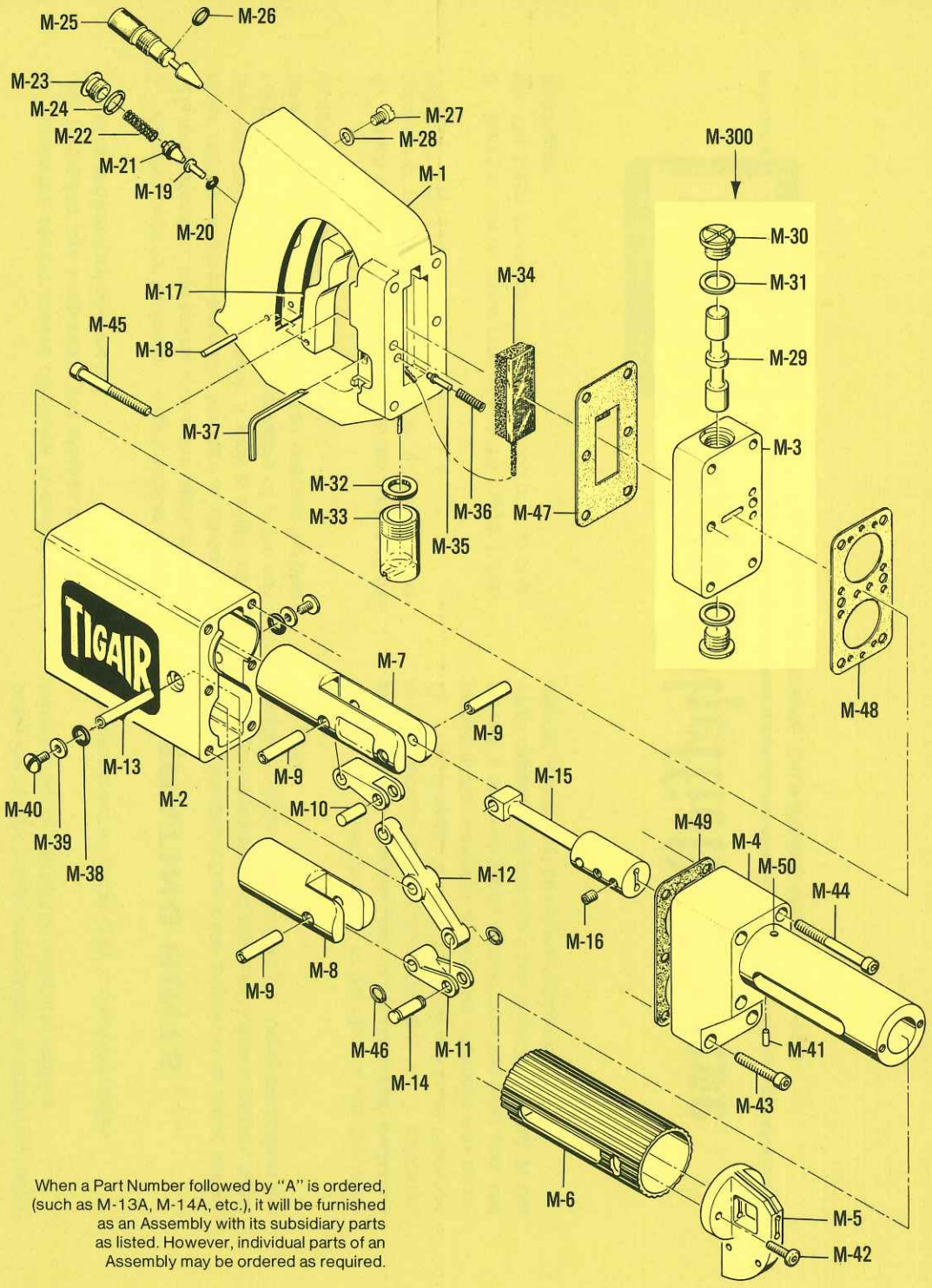
SPARE PARTS LIST

PART NO.	NUMBER PER SAW	DESCRIPTION OF PART
M-1	1	CONTROL HANDLE
M-2	1	CYLINDER BODY
M-3	1	VALVE BODY
M-4	1	FRONT BEARING BODY
M-5	1	NOSE PLATE
M-6	1	SILENCER SLEEVE
M-7	1	UPPER PISTON
M-8	1	LOWER PISTON
M-9	3	LINKAGE PIN
M-10	1	SHORT LINKAGE PIN
M-11	2	LINK
M-12	1	PIVOT ARM
M-13-A	1	PIVOT PIN ASSEMBLY, including: (1) M-13; (2) M-38; (2) M-39; (2) M-40
M-14-A	1	LINKAGE PIN ASSEMBLY, including: (1) M-14; (2) M-46
M-15-A	1	CONNECTING ROD ASSEMBLY, including: (1) M-15; (2) M-16
M-16	2	SET SCREWS for Connecting Rod Assembly, M-15-A
M-17-A	1	TRIGGER ASSEMBLY, including: (1) M-17; (1) M-18
M-18	1	DOWEL PIN for Trigger Assembly, M-17-A
M-19-A	1	TRIGGER VALVE PLUNGER ASSEMBLY, including: (1) M-19; (1) M-20; (1) M-21; (1) M-22; (1) M-23; (1) M-24
M-20	1	"O" RING for Trigger Valve Assembly, M-19-A
M-21	1	LARGE PLUNGER for Trigger Valve Assembly, M-19-A
M-22	1	VALVE SPRING for Trigger Valve Assembly, M-19-A
M-23	1	MAIN VALVE CAP for Trigger Valve Assembly, M-19-A
M-24	1	GASKET RING for Trigger Valve Assembly, M-19-A
M-25-A	1	SPEED CONTROL ASSEMBLY, including: (1) M-25; (1) M-26; (1) M-27; (1) M-28
M-26	1	"O" RING for Speed Control Assembly, M-25-A
M-27	1	VALVE RETAINER SCREW for Speed Control Assembly, M-25-A
M-28	1	GASKET WASHER for Speed Control Assembly, M-25-A
M-29	1	SHUTTLE VALVE PISTON
M-30-A	2	SHUTTLE VALVE SCREW ASSEMBLY, including: (2) M-30; (2) M-31
M-31	2	GASKET for Shuttle Valve Screw Assembly, M-30-A
M-32	1	GASKET for Oil Reservoir Assembly, M-33-A
M-33-A	1	OIL RESERVOIR ASSEMBLY, including: (1) M-32; (1) M-33
M-34	1	OIL WICK
M-35	1	DETENT for Hex Wrench Assembly, M-37-A
M-36	1	DETENT SPRING for Hex Wrench Assembly, M-37-A
M-37-A	1	HEX WRENCH ASSEMBLY, including: (1) M-35; (1) M-36; (1) M-37
M-38	2	"O" RING for Pivot Pin Assembly, M-13-A
M-39	2	WASHER for Pivot Pin Assembly, M-13-A
M-40	2	PIVOT PIN SCREW for Pivot Pin Assembly, M-13-A
M-41	1	PIN
M-42	2	NOSE PLATE SCREW
M-43	2	SCREW
M-44	4	SCREW
M-45	6	SCREW
M-46	2	SNAP RING for Linkage Pin Assembly, M-14-A
M-47	1	GASKET
M-48	1	GASKET
M-49	1	GASKET
M-50	1	DETENT for Silencer Sleeve
M-300	1	VALVE BODY UNIT factory assembled and fitted, including: (1) M-3; (1) M-29; (2) M-30; (2) M-31

Please use prefix "M" before Part No.



When a Part Number followed by "A" is ordered, (such as M-13A, M-14A, etc.), it will be furnished as an Assembly with its subsidiary parts as listed. However, individual parts of an Assembly may be ordered as required.